

Harsh Nag

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SKILLS

- **Languages:** Python, Java, C++, Linux System Administration, HTML, CSS , JavaScript.
- **Frameworks:** HTML AND CSS, Ka li Linux, OSINT, Metasploit.
- **Tools/Platforms:** MySQL, NMAP, AWS, Nessus, ZENSHARK.
- **Soft Skills:** Leadership, Event Management, Work Ethic & Responsibility, Adaptability, Problem-Solving.

PROJECTS

Technology-Assisted System for Identifying Learning Disabilities: | [GitHub](#) | [LIVE](#) Nov' 25

- Developed a web-based system to identify learning disabilities in primary school children.
- Designed interactive questionnaires to capture behavioral and academic patterns.
- Implemented automated scoring logic for accurate risk detection.
- Generated instant result summaries for teachers and parents for quick intervention.

Tech: Python, Flask, SQLite, HTML/CSS, JavaScript, Data Analysis.

Smart & Secure OS for Attendance & Examination Monitoring system: | [GitHub](#) Oct' 25

- Developed an automated student attendance system using Wi-Fi network scanning with Nmap.
- Monitored active applications on student systems to prevent exam malpractice.
- Integrated backend logic to record student presence based on connectivity logs.
- Implemented system process tracking using Python (psutil).

Tech: Python, Nmap, psutil, Flask, Network Scanning, System Monitoring, Cybersecurity Automation.

AI-Powered Laptop OS Automation & Assistant Framework: | [GitHub](#) Aug' 25

- Developed an AI ecosystem that automates the system operations and user tasks through inputs.
- Powered the system with embedded Gemini AI for adaptive decision-making and contextual automation.
- Designed modular automation workflows for file management, application control, and system customization.
- Optimized overall system efficiency by enabling seamless, intelligent, and user-centric task execution.

Tech: Python, Flask, Gemini AI API, Automation Scripting, OS-Level Task Management, System Integration.

TRAINING

Cybersecurity Virtual Experience Program — Mastercard | [Link](#) Mar' 25

- Analyzed threats and identified phishing/social engineering attacks in the Mastercard Virtual Experience Program.
- Conducted vulnerability assessments and recommended effective security awareness measures.
- Executed incident response simulations using tools like Wireshark, Splunk, and Nmap.
- Utilized OSINT frameworks to gather threat intelligence and support security decision-making.

CERTIFICATES AND CERTIFICATION

- SAP Company X LPU: A National Level Hackathon | SAP Company | [Link](#) May' 25
- Packet Switching Networks and Algorithms | University of Colorado System | [Link](#) Nov' 24
- Computer Communications Specialization | University of Colorado System | [Link](#) Nov' 24
- Peer-to-Peer Protocols & Local Area Networks | University of Colorado System | [Link](#) Nov' 24
- The Bits and Bytes of Computer Networking | Google | [Link](#) Sep' 24
- Introduction to Hardware and Operating Systems: with Honors | IBM | [Link](#) Sep' 24

ACHIEVEMENTS

Placement Ace: Java Bootcamp LeetCode-Codeforces Edition | [Link](#) Jul' 25

- Scored (Outstanding) O Grade for exceptional performance.

Patent Accepted by DRD Coordinator in Field of AI-Technologies Jun' 25

- Recognized for an innovative idea and patent acceptance by the Department of Research & Development.

Cyber Defense Odyssey Hackathon conducted by CyberFsociety Organization | [Link](#) Jan' 25

- Winner among 1,000+ participants in a National Cyber Hackathon.

RCS: Republic of Cyber Sentinels | [Link](#) Jan' 24

- Successfully Capture the Flag RCSCTF24 on the Hackathon.

EDUCATION

Lovely Professional University Phagwara, Punjab
Bachelor of Technology - Computer Science and Engineering; CGPA:7.35 Present Aug' - 23

Tender Heart Senior Secondary School Ranchi, Jharkhand
Secondary Education: Class XII: TGPA: 8.00; Apr' 22 - Mar' 23

Tender Heart Senior Secondary School Ranchi, Jharkhand
Primary Education: Class X: TGPA: 7.60; Apr' 20 – Mar' 21